L Number			DB	Time stamp
1	2	6171845.pn.	USPAT;	2002/06/14 17:37
			US-PGPUB;	
			EPO; JPO;	
7	2	elischweski-\$.in.	DERWENT	0000105144
/		elischweski-3.in.	USPAT;	2002/06/14 17:37
			US-PGPUB;	
	ĺ		EPO; JPO; DERWENT	
13	295	kalinowski-\$.in.	USPAT:	2002/06/14 17:37
			US-PGPUB;	2002/00/14 17.37
			EPO; JPO;	
19			DERWENT	
	94	puhler-\$.in.	USPAT;	2002/06/14 17:37
			US-PGPUB;	
			EPO; JPO;	
25	65	dusch-\$.in.	DERWENT	
			USPAT;	2002/06/14 17:37
			US-PGPUB;	
			EPO; JPO;	
31	100	dohmen-\$.in.	DERWENT	2002/06/5 1 = = =
	100	dominen-\$.m.	USPAT;	2002/06/14 17:37
			US-PGPUB;	
			EPO; JPO; DERWENT	
37	91	farwick-\$.in.	USPAT;	2002/06/14 17:38
			US-PGPUB;	2002/00/14 17.36
			EPO; JPO;	
			DERWENT	
43	156	thierbach-\$.in.	USPAT;	2002/06/14 17:38
			US-PGPUB;	
			EPO; JPO;	
49			DERWENT	
	727	6171845.pn. or elischweski-\$.in. or kalinowski-\$.in. or puhler-\$.in. or	USPAT;	2002/06/14 17:38
		dusch-\$.in. or dohmen-\$.in. or farwick-\$.in. or thierbach-\$.in.	US-PGPUB;	
			EPO; JPO;	
55	3	(6171845.pn. or elischweski-\$.in. or kalinowski-\$.in. or puhler-\$.in. or	DERWENT	2002/06/14 47 40
55		dusch-\$.in. or dohmen-\$.in. or farwick-\$.in. or thierbach-\$.in.) and	USPAT;	2002/06/14 17:38
		(ketopanto\$ with reductase)	US-PGPUB; EPO; JPO;	
		(Newspanies Wish reductably)	DERWENT	
67	26545	panE or (ketopanto\$ with reductase)	USPAT;	2002/06/14 17:45
		•	US-PGPUB;	2002/00/14 17:43
73			EPO; JPO;	
			DERWENT	
	26534	panE	USPAT;	2002/06/14 17:39
			US-PGPUB;	
			EPO; JPO;	
79	2700	(conf. or Ant. 1 to 14 to 15 to 15	DERWENT	
	2780	(panE or (ketopanto\$ with reductase)).clm.	USPAT;	2002/06/14 17:39
			US-PGPUB;	
			EPO; JPO;	
85	39	(panE or (ketopanto\$ with reductase)) with express\$4	DERWENT	2002/07/14 17 22
		(puis of (notopatito with reductase)) with express 4	USPAT; US-PGPUB;	2002/06/14 17:39
			EPO; JPO;	
91			DERWENT	
	4	panE and (pantothenic adj3 acid)	USPAT;	2002/06/14 17:40
		- · · · · · · · · · · · · · · · · · · ·	US-PGPUB;	=002/00/17 17.4U
			EPO; JPO;	
97			DERWENT	
	445	(produc\$6 or prepar\$6) with (pantothenic adj3 acid)	USPAT;	2002/06/14 17:41
		• /	US-PGPUB;	
			EPO; JPO;	
			DERWENT	

Search History 6/14/02 5:54:08 PM Page 1

98	16	((produc\$6 or prepar\$6) with (pantothenic adj3 acid)) and reductase	USPAT;	2002/06/14 17:42
		((products of propagato) (time (passoures asje assay) and	US-PGPUB:	
			ЕРО; ЈРО;	
			DERWENT	
61	3	panE and (ketopanto\$ with reductase)	USPAT;	2002/06/14 17:44
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
99	4	(panE or (ketopanto\$ with reductase)) with gene	USPAT;	2002/06/14 17:52
		, ,	US-PGPUB;	
			EPO; JPO;	
			DERWENT	
105	4	(panE or (ketopantoate with reductase)) with gene	USPAT;	2002/06/14 17:51
			US-PGPUB;	
		·	EPO; JPO;	
			DERWENT	
111	0	(panE or (ketopantoate with reductase)) with overexpression	USPAT;	2002/06/14 17:49
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	
117	4	panE and (pantothenic adj2 acid)	USPAT;	2002/06/14 17:51
			US-PGPUB;	
			ЕРО; ЈРО;	
		_	DERWENT	
123	12	ilvC	USPAT;	2002/06/14 17:51
			US-PGPUB;	
			EPO; JPO;	
	_		DERWENT	
129	3	(panE or (ketopantoate with reductase)) and ilvC	USPAT;	2002/06/14 17:51
			US-PGPUB;	
			EPO; JPO;	
			DERWENT	2002/06/14 15 52
135	31	(panE or (ketopanto\$ with reductase)) with (plasmid or promoter or	USPAT;	2002/06/14 17:52
		vector)	US-PGPUB;	
			EPO; JPO;	
			DERWENT	1

(FILE 'HOME' ENTERED AT 17:59:32 ON 14 JUN 2002)

```
FILE 'MEDLINE, EMBASE, BIOSIS, CAPLUS' ENTERED AT 17:59:41 ON 14 JUN 2002
L1
              1 S (ELISCHWESKI, ?)/IN,AU
L2
           1944 S (KALINOWSKI, ?)/IN, AU
L3
            461 S (PUHLER, ?)/IN,AU
L4
            135 S (DUSCH, ?)/IN,AU
L5
             31 S (DOHMAN, ?)/IN,AU
^{L6}
             96 S (FARWICK, ?)/IN, AU
L7
            287 S (THIERBACH, ?)/IN, AU
^{18}
           2790 S L1 OR L2 OR L3 OR L4 OR L5 OR L6 OR L7
L9
              7 S L8 AND (PANE OR (KETOPANTOATE (2W) REDUCTASE))
L10
              4 DUPLICATE REMOVE L9 (3 DUPLICATES REMOVED)
          13188 S PANTHOTHENATE OR PANTOTHENATE OR (PANTOTHENIC (2W) ACID)
L11
L12
            314 S L11 AND GENE
L13
             28 S GENE (S) (PANE OR (KETOPANTOATE (2W) REDUCTASE))
L14
             21 S L13 NOT L9
L15
             12 DUPLICATE REMOVE L14 (9 DUPLICATES REMOVED)
L16
              7 S (PLASMID OR VECTOR OR PROMOTER) (S) (PANE OR (KETOPANTOATE
(
L17
              5 S L16 AND L11
              2 DUPLICATE REMOVE L17 (3 DUPLICATES REMOVED)
L18
L19
              0 S L18 NOT L9
             39 S L11 AND (PANE OR (KETOPANTOATE (2W) REDUCTASE))
L20
              2 S L20 AND OVEREXPRESSION
L21
L22
              1 S L21 NOT L9
L23
              9 S L20 AND EXPRESSION
L24
              3 S L23 NOT L9
L25
            25 S L20 NOT L14
L26
              1 S L24 NOT L14
            5 S L20 AND EXPRESSED
L27
             0 S L27 NOT (L9 OR L14)
L28
L29
            10 S PANE AND ILVC
L30
              3 S L29 NOT (L9 OR L14)
L31
             1 DUPLICATE REMOVE L30 (2 DUPLICATES REMOVED)
```